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(54) Title: **PROCESS FOR EXTRACTING VITAL COMPONENTS FROM PLANTS**

(57) Abstract: The present invention presents a cost effective process for separating between liquids extracted from whole plants or plant parts and the solid plant residue, and performing concurrent sterilization of both substances. This novel method comprising fast deep-freezing said whole plant(s) or parts thereof; crushing the deep-frozen whole plant(s), or parts thereof, thereby obtaining a bioextract; defrosting said bioextract mixture so as to allow drainage of the liquids from the defrosted bioextract mixture; and, separating between the liquids and the solid substance of the defrosted bioextract mixture such that a sterile product is obtained. The present invention also discloses sterile cosmetic, food, beverage, nutraceutical or pharmaceutical compositions, which comprises a natural mineral-rich plant tissue(s) component(s) obtained by this process.